

June 3, 2016

MEMORANDUM FOR: Distribution Email

FROM: Christine Caruso Magee
Configuration Manager, NCEP Central Operations

SUBJECT: Scheduled Operational Changes and Upgrades for
CPC, OPC, and WPC

Please note that Critical Weather Day was declared on May 31 at 1800Z and is now scheduled to end on June 8 at 0000Z. Because of this, all scheduled changes listed below may be postponed if implementing these changes might negatively impact the NCEP Centers, NWS WFOs, and users of NWS model output from performing their missions. If scheduled changes are delayed, new implementation dates will be advertised via this memo.

Climate Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of June 6, 2016:

None

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of June 6, 2016 may affect CPC:

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage *p1, *d1, *d2, and *mv. This work will require a 14-20 hour outage.

Implementation to begin June 8 at 1200Z on Tide. The same work will be done on Luna later in June after production is switched to Tide/Luna.

RFC #1997 – ESMF v7.0.0 - Installation of ESMF (Earth Systems Modeling Framework) v7.0.0 on WCOSS under /usrx/local/dev along with its own modulefile. To be implemented on June 6 at 1400Z.

The following NCO RFCs are in progress and may affect CPC:

RFC #1864 – WCOSS – Work is being done on the Crays to add 2 new service blades containing 2 nodes each for DVS/GPFS services. This work should be completed by June 16.

Ocean Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of June 6, 2016:

RFC #666 - NA_cleanup.opc.csh v2016.06.06 - Add a purge rule for new qpe_rr data files (3 day retention). To be implemented on June 6 at 1130Z

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of June 6, 2016 may affect OPC:

RFC #1980 – For WCOSS Phase 1, update the firmware on the DCS3700 storage *p1, *d1, *d2, and *mv. This work will require a 14-20 hour outage. Implementation to begin June 8 at 1200Z on Tide. The same work will be done on Luna later in June after production is switched to Tide/Luna.

RFC #1992 – MRMS v10.5.1 - The w2alg configuration needs to be updated on mrms-ak, mrms-hi and mrms-trop VMs to address a problem that occurs when the radars are in clear air mode. A user reported a slight anomaly in the products when one or more radars are in clear air mode. The developers addressed the concern and provided an updated configuration file. W2alg is the main script that is used to start and stop MRMS processes across the MRMS VMs. To be implemented on June 8 at 1200Z.

The following NCO RFCs are in progress and may affect OPC:

RFC #1864 – WCOSS – Work is being done on the Crays to add 2 new service blades containing 2 nodes each for DVS/GPFS services. This work should be completed by June 16.

The following NCO RFCs, which may affect OPC, were approved with an implementation date TBD:

RFC #1357 – RTOFS global v1.1.0 – Major upgrade of the Global RTOFS model. See the TIN at: <http://www.nws.noaa.gov/os/notification/tin15-36global-rtofsaaa.htm> for details. This was advertised as having an October 6 implementation date but this implementation is being postponed due to a delay in the Navy's HYCOM model upgrade. Once the HYCOM upgrade is implemented, the Global RTOFS will be scheduled for implementation. The Navy hopes to upgrade HYCOM in FY16Q3. Notification will be given in advance so users may prepare for any changes which may affect them. This upgrade of the Global RTOFS was approved by the NCEP Director.

Weather Prediction Center

The following accelerated items were implemented this past week:

None

The following will be implemented the week of June 6, 2016:

RFC #664 - masterblender.tcl v8.0 - This change allows the user to select different increments for blending models. The previous increment was only 10 percent. This change allows for 5, 10, or 25 percent. Was to be implemented on June 1 at 1200Z; delayed until June 7 at 1200Z due to CWD.

RFC #665 - Add 14 scripts to the compute farm cron. These involve forecaster tools and ensemble verification sometimes used in operations, some of which will be made available on the public WPC page. Was to be implemented on June 2 at 1800Z; delayed until June 7 at 1800Z due to CWD.

RFC #667 - Add a dynamically downscaled transformation of the WPC 6-h QPFs for forecaster evaluation. The consensus dynamic downscaling is proposed to replace the current PRISM (Parameter-elevation Regressions on Independent Slopes Model) statistical downscaling. To be implemented beginning June 7 at 1200Z and should be completed by June 16.

The following RFCs are in progress:

None

The following NCO RFCs to be implemented the week of June 6, 2016 may affect WPC:

RFC #1992 – MRMS v10.5.1 - The w2alg configuration needs to be updated on mrms-ak, mrms-hi and mrms-trop VMs to address a problem that occurs when the radars are in clear air mode. A user reported a slight anomaly in the products when one or more radars are in clear air mode. The developers addressed the concern and provided an updated configuration file. W2alg is the main script that is used to start and stop MRMS processes across the MRMS VMs. To be implemented on June 8 at 1200Z.

The following NCO RFCs are in progress and may affect WPC:

None

Please note that security-related RFCs are never listed in the RFC memo.

---- OPERATIONAL ANNOUNCEMENTS ----

1. The CPC/OPC/WPC Configuration Management documents are available at <https://sites.google.com/a/noaa.gov/nws-ncep-nco-cm/>.

Please review these documents if you have questions prior to submitting changes for CPC/OPC/WPC configurable items.

2. Users who wish to view their network utilization via the Scrutinizer appliance may request access from NCO/IWSB. Please send an account request to the NCWCP Helpdesk at NCWCP.helpdesk@noaa.gov.